6         establishing a connection between the client station and

7              the server in response to the information is of the

8              selected type or the selected quantity, or both.

## REMARKS

By this amendment, claims 1-8, 10-12, and 16-25 have been amended and remain pending in the subject application. There is no new matter in the additional languages of amended claims 1-8, 10-12, and 16-25.

REJECTION OF CLAIMS 1-8, 10-12, and 16-25 UNDER 35 U.S.C. §103

Claims 1-8, 10-12, and 16-25 are rejected under 35 U.S.C. §103(a) as being unpatentable over Verkler et al. (U.S. Patent 5,850,517, herein after "Verkler") in view of Eggleston et al. (U.S. Patent 5,958,006, herein after "Eggleston"). This rejection is respectfully traversed.

Verkler discloses an architecture for use with a server on a communication medium. The architecture comprises a client and an agent. The client generates requests for information from the server. The agent is coupled to the client through a mobile communication link. The agent sends the requests to the server on behalf of and independent of the client and receives information from the server in response to the requests. The agent sends the information to the client on behalf of and independent of the server. In this manner, the client and the agent operate asynchronously (Column 2, lines 22-32). In column 3, lines 46-51, Verkler describes, with reference to Fig. 1, that client 101 may prompt agent 102

to perform one or more tasks on its behalf, which agent 102 may perform while disconnected from client 101. In such a case, once client 101 is in communication with agent 102 again, agent 102 communicates with client 101 to indicate completion of the requested tasks. More particularly, Verkler describes in column 4, lines 40-55, that, if client 101 is presently in communication with agent 102, agent 102 delivers the information to client 101. However, if client 101 is not presently in communication with agent 102, agent 102 waits to send the data until client 101 is again connected to agent 102. When this occurs, agent 102 stores the data in a queue until agent 102 determines that client 101 is again connected to agent 102. This determination may be made by polling client 101 repeatedly after a predetermined period of time to determine if client 101 is within range. In another embodiment, client 101 may signal agent 102 when it determines that it has been out of communication range and is now back in range. In an alternate embodiment, network 103 may inform agent 102 or client 101 that client 101 is in communication with the system. Verkler further describes in column 6, lines 25-37, and with reference to Fig. 2, that message gateway 204 tracks all incoming and outgoing traffic from client 201 and attempts to locate client 201 when data is to be sent to client 201. If unable to do so, message gateway 204 waits until client 201 sends it a message indicating that client 201 is on-line or is polled and a determination is made that client 201 is ready to receive communications. Second, message gateway 204 provides system message queuing and management. The queuing of message gateway 204 allows for

storage of messages when client 201 cannot be located and allows stored messages to be forwarded when client 201 is in communication with message gateway 204.

On page 7 of the Office Action, the Examiner alleges that "Verkler disclosed a client-server system that allows the client to receive unsolicited information, data alerts, without having to actively request them (col. 4/ln. 12-26)." It is respectfully submitted that in column 4, lines 20-26, Verkler discloses that agent 102 receives the data on behalf of client 101 from server 103 and thereafter sends the data to client 101. *Unsolicited information for client 101 may result from agent 102 querying server 103 for information* (e.g., data alerts) on a regular, or irregular, basis and the forwarding responses received from server 103 to client 101. Further, Verkler discloses that agent 102 delivers the information to client 101 *if client 101 is presently in communication with agent 102 or waits to send the data until client 101 is again connected to agent 102* (column 4, lines 40-45).

Accordingly, it is respectfully submitted that Verkler neither teaches nor suggests determining whether the server has information to be transmitted to a client station without the client station initiating the determination; and transmitting a message from the server to the client station in response to the server having information for the client station., as is presently claimed. Furthermore, Verkler teaches away from the presently claimed invention by teaching that agent 102 delivers the information to client 101 if client 101 is presently in communication with agent 102 or

waits to send the data until client 101 is again connected to agent 102 (column 4, lines 40-45).

Eggleston discloses a method and apparatus for communicating summarized data. With reference to Fig. 3, Eggleston describes a VSM receiving registration from a client, establishing a virtual session between the client and the VSM, and detecting a time out to logoff the client. Eggleston also describes in columns 7-10 evaluating a message in terms of priority, quantity, etc. It is respectfully submitted that the description of Eggleston does not make up the deficiency of Verkler in not teaching or suggesting any element related to determining that the server has information to be transmitted to a client station without the client station initiating the determination and transmitting a message from the server to the client station to indicate that the server has information for the client station. Further, the inclusion of these elements will destroy the teaching of Verkler. Accordingly, combining the message evaluation taught by Eggleston with the teaching of Verkler, as suggested by the Examiner in the Office Action, does not teach or suggest the above elements.

Applicants' claim 1 calls for, among other things, determining whether the server has information without the client station initiating the determination by establishing a connection to the server; and transmitting a message from the server directly to the client station in response to the server having information for the client station. As respectfully pointed out above, Verkler and Eggleston do not teach or suggest, either singly or in combination, these

11

elements of claim 1. Because at least these elements of claim 1 are not taught or suggested by Verkler and Eggleston, either singly or in combination, claim 1 is allowable over Verkler in view of Eggleston.

Applicants' claims 2-8, 24, and 25 depend from claim 1 and are believed to be allowable over the relied on references of Verkler and Eggleston for at least the same reasons as claim 1. Claims 2 and 3 further set out establishing a connection between the client station and the server in response to the message from the server to the client station. Claims 4 and 5 further set out that the message indicates a type of the information to be transmitted to the client station. Claim 5 further sets out evaluating the message at the client station to determine whether the information is of a selected type. Claim 6 further sets out that the message indicates a quantity of information to be transmitted to the client station. Claim 24 and 25 further set out that the message indicates a type or a quantity, or both, of the information to be delivered to the client station. Claims 25 further sets out evaluating the message at the client station to determine whether the information is of a selected type or a selected quantity, or both; and establishing a connection between the client station and the server in response to the information being of the selected type or the selected quantity, or both. At least these elements of claims 2-6, 24, and 25 are neither taught nor suggested in the relied on references of Verkler and Eggleston, either singly or in combination, further precluding the obviousness of claims 2-6, 24, and 25.

12

Applicants' claim 10 calls for, among other things, evaluating the information at the server without the client station initiating the evaluation; and transmitting a message from the server to the client station in response to the information being of a selected type and quantity. As respectfully pointed out with reference to claim 1, at least these elements of claim 10 are not taught or suggested in the relied on references of Verkler and Eggleston, either singly or in combination. Therefore, claim 10 is allowable over Verkler in view of Eggleston.

Claims 11 and 12 depend from claim 10 and are believed to be allowable over the relied on references of Verkler and Eggleston for at least the same reasons as claim 10. Claim 11 further sets out evaluating the message at the client station to determine whether the information is of a selected type; and establishing a connection between the client station and the server in response to the information being of the selected type. Claim 12 further sets out evaluating the message at the client station to determine whether the information is of a selected quantity; and establishing a connection between the client station and the server in response to the information being of the selected quantity. At least these elements of claims 11 and 12 are not taught or suggested in the relied on references of Verkler and Eggleston, either singly or in combination, further precluding the obviousness of claims 11 and 12.

Applicants' claim 16 claims a machine readable medium having stored thereon a program and calls for, among other things, the program to perform evaluating a received message

13

to determine whether the server has information of a selected type and quantity waiting for the client station, the received message being prepared by the server without the client station first initiating a connection with the server; and generating a signal containing a telephonic address of a communication transceiver associated with the server and instructions for establishing a log-on connection with the server if the server has a selected type and quantity of information waiting for the client station. As respectfully pointed out with reference to claims 1 and 25, at least these elements of claim 16 are not taught or suggested in the relied on references of Verkler and Eggleston, either singly or in combination. Therefore, Verkler in view of Eggleston does not make claim 16 obvious under 35 U.S.C. §103.

Claims 17 and 18 depend from claim 16 and are believed to be allowable over the relied on references of Verkler and Eggleston for at least the same reasons as claim 16.

Applicants' claim 19 claims a mobile-based client-server system and calls for, among other things, that the server is further configured to transmit a message to the client station via the respective server and client station transceivers upon receiving or generating a selected type and quantity of information to be delivered to the client station without the client station initiating transmission of the message by establishing a connection with the server. As respectfully pointed out with reference to claims 1, 4, and 6, at least these elements of claim 19 are not taught or suggested in the relied on references of Verkler and Eggleston, either singly

14

or in combination.   Therefore, Verkler in view of Eggleston does not make claim 16 obvious under 35 U.S.C. §103.

Claims 20-23 depend from claim 19 and are believed to be allowable over the relied on references of Verkler and Eggleston for at least the same reasons as claim 19.   Claims 22 and 23 further set out that the client station is configured to evaluate a received message from the server to determine whether the server has a selected type and quantity of information waiting for the client station.   At least these elements of claims 22 and 23 are not taught or suggested in the relied on references of Verkler and Eggleston, either singly or in combination, further precluding the obviousness of claims 22 and 23.

## CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that applicants' claims 1-8, 10-12, and 16-25 are allowable in view of the relied on references and the subject application is now in condition for allowance. Such Action is earnestly and respectfully requested.
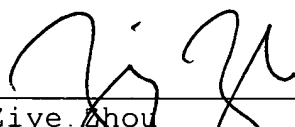
Should the Examiner have any questions or comments, he is invited to call the undersigned representative of Applicants at (408) 993-1555.

Respectfully submitted,

LYON &. LYON LLP
Attorneys for Applicant

Date: July 10, 2001          By: _____

Ziye Zhou
Reg. No. 41,423

633 West Fifth Street, Suite 4700
Los Angeles, California 90071-2066
(408) 993-1555

16

**APPENDIX A**

**MARKED UP VERSION OF THE AMENDED CLAIMS**

1.    (Thrice Amended) A method for transmitting information
      from a server to a client station in a mobile-based
      client-server system, the method comprising the steps of:
      determining [that] whether the server has information to
              be transmitted to [a] the client station without
              the client station initiating the determination by
              establishing a connection to the server; and
      transmitting a message from a transceiver associated with
              the server directly to a transceiver associated
              with the client [station, the message indicating
              that] station in response to the server [has]
              having information for the client station.

2.    (Twice Amended) The method of claim 1, further comprising
      the [further] step of establishing a connection between
      the client station and the server in response to [a
      received] the message from the server to the client
      station.

3.    (Thrice Amended) The method of claim 2, wherein the step
      of establishing a connection includes establishing the
      connection between the client station and the server [is
      established] via the [respective] transceiver associated
      with the client station and the transceiver associated
      with the server. [transceivers.]

4.  (Once Amended) The method of claim 1, wherein the step of
    transmitting a message includes transmitting the message
    [indicates the] indicating a type of the information to
    be transmitted to the client station.

5.  (Once Amended) The method of claim 4, further comprising
    the [further] step [of:] of evaluating [a received] the
    message at the client station to determine whether the
    information is of a selected type.

6.  (Once Amended) The method of claim 1, wherein the step of
    transmitting a message includes transmitting the message
    [indicates the] indicating a quantity of the information
    to be transmitted to the client station.

7.  (Once Amended) The method of claim 1, wherein the step of
    transmitting a message from a transceiver associated with
    the server to a transceiver associated with the
    [respective] client station includes transmitting the
    message between [and server transceivers are] GSM-based
    transceivers.

8.  (Once Amended) The method of claim 7, wherein the step of
    transmitting [server transceiver sends] the message [to]
    includes transmitting the [client station transceiver]
    message in [the form of] an SMS paging message format.

10. (Thrice Amended) A method for transmitting information
    from a server to a client station in a mobile-based
    client-server system, the method comprising the steps of:

18

evaluating the information at the server to determine
whether the information is of a [selected] type and
quantity without the client station initiating the
evaluation by establishing a connection with the
server; and

transmitting a message from [a transceiver associated
with] the server <u>directly</u> to [a transceiver
associated with] the client station if the
information is of [a selected] <u>the</u> type and
quantity, the message indicating the server [has]
<u>having the</u> information for the client station.

11.    (Thrice Amended) The method of claim 10, <u>further</u>
comprising the [further] steps of:
evaluating [a received] <u>the</u> message at the client station
to determine whether the information is of a
selected type; and
establishing a connection between the client station and
the server in response to [a received message if]
the information [is] <u>being</u> of [a] <u>the</u> selected
type.

12.    (Thrice Amended) The method of claim 10, <u>further</u>
comprising the [further] steps of:
evaluating [a received] <u>the</u> message at the client station
to determine whether the information is of a
selected quantity; and
establishing a connection between the client station and
the server in response to [a received message if]

the information [is] <u>being</u> of [a] <u>the</u> selected
quantity.

16.   (Thrice Amended) A machine readable medium having stored
thereon a program for adapting a client station to
receive and process messages transmitted from a server
via a wireless network connection, and for causing the
client station to perform the steps of:
evaluating a received message to determine whether the
      server has <u>information of</u> a selected type and
      quantity [of information waiting] for the client
      station, the received message being prepared by the
      server without the client station first initiating
      a connection with the server;
generating a signal containing a telephonic address of a
      [communication] transceiver associated with the
      server and instructions for establishing a log-on
      connection with the server [if] <u>in response to</u> the
      server [has a] <u>having the information of the</u>
      selected type and quantity<u>;</u> [of information waiting
      for the client station;] and
transmitting the signal to [a] <u>the</u> transceiver associated
      with the [client station, the client station
      transceiver configured] <u>server</u> to establish a
      communication link with the server [transceiver]
      based on the telephonic address.

17.　(Once Amended) The machine readable medium of claim 16,
the stored program causing the client station to perform
the additional steps of:
transmitting a first request for the information to the
　　　server via the [established] communication link;
receiving the [requested] information; and
transmitting an additional [information] signal to the
　　　server via the [established] communication link.

18.　(Once Amended) The machine readable medium of claim 17,
wherein the step of transmitting an additional
[information] signal comprises transmitting a further
[data] request for information.

19.　(Thrice Amended) A mobile-based client-server system,
comprising:
a client station transceiver;
a [adapted for communication with an associated] client
　　　station coupled to the client station transceiver;
　　　[and]
a server [configured to periodically receive or generate
　　　information to be delivered to the client station,
　　　the server linked to an associated server
　　　transceiver, wherein] transceiver; and
a [the] server [is further] coupled to the server
　　　transceiver and configured to periodically receive
　　　or generate information to be delivered to the
　　　client station and to transmit a message to the
　　　client station via the [respective] server

transceiver and the client station [transceivers upon] transceiver in response to receiving or generating information of a selected type and quantity [of information] to be delivered to the client station without the client station initiating transmission of the message by establishing a connection with the server.

20.    (Once Amended) The mobile-based client-server system of claim 19, wherein the server is further configured to transmit the message [indicates] indicating both [the] a type and a quantity of the information to be transmitted to the client station.

21.    (Once Amended) The mobile-based client-server system of claim 19, wherein:
the [respective] client station transceiver and the
     server [transceivers] transceiver are GSM-based
     [transceivers,] transceivers; and [wherein]
the server transceiver [sends] is configured to transmit
     the message to the client station transceiver in
     [the form of] an SMS paging message format.

22.    (Twice Amended) The mobile-based client-server system of claim 19, wherein the client station is configured to evaluate [a received] the message from the server to determine whether the server has [a] the information of the selected type and quantity. [of information waiting for the client station.]

22

23.    (Once Amended) The mobile-based client-server system of
       claim 22, wherein the client station is further
       configured to establish a log-on connection with the
       server via the [respective] client station <u>transceiver</u>
       and <u>the</u> server [transceivers if a received] <u>transceiver</u>
       <u>in response to the</u> message [indicates] <u>indicating that</u>
       the server has [a] <u>the information of the</u> selected type
       and quantit<u>y.</u> [of information waiting for the client
       station.]

24.    (Once Amended) The method of claim 1, <u>wherein the step of</u>
       <u>transmitting a message includes transmitting</u> the message
       further indicating [the] <u>a</u> type or <u>a</u> quantity, or both,
       of the information to be delivered to the client station.

25.    (Twice Amended) The method of claim 24, <u>further</u>
       comprising the [further] steps of:
       evaluating [a received] <u>the</u> message at the client station
             to determine whether the information is of a
             selected type or <u>a selected</u> quantity, or both; and
       establishing a connection between the client station and
             the server in response to [a received message if]
             the information is of [a] <u>the</u> selected type or <u>the</u>
             <u>selected</u> quantity, or both.